

PATENT COOPERATION TREATY

PCT**INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 10017511-2	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below. ACTION	
International application No. PCT/US 02/ 28646	International filing date (<i>day/month/year</i>) 10/09/2002	(Earliest) Priority Date (<i>day/month/year</i>) 27/09/2001
Applicant HEWLETT-PACKARD COMPANY		
<p>This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.</p> <p>This International Search Report consists of a total of 4 sheets. <input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.</p>		
<p>1. Basis of the report</p> <p>a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> the International search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).</p> <p>b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :</p> <p><input type="checkbox"/> contained in the international application in written form.</p> <p><input type="checkbox"/> filed together with the international application in computer readable form.</p> <p><input type="checkbox"/> furnished subsequently to this Authority in written form.</p> <p><input type="checkbox"/> furnished subsequently to this Authority in computer readable form.</p> <p><input type="checkbox"/> the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.</p> <p><input type="checkbox"/> the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished</p> <p>2. <input type="checkbox"/> Certain claims were found unsearchable (See Box I).</p> <p>3. <input type="checkbox"/> Unity of Invention is lacking (see Box II).</p> <p>4. With regard to the title,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established by this Authority to read as follows: 7 _____</p> <p>5. With regard to the abstract,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International search report, submit comments to this Authority.</p> <p>6. The figure of the drawings to be published with the abstract is Figure No. 7 <input checked="" type="checkbox"/> as suggested by the applicant.</p> <p><input type="checkbox"/> because the applicant failed to suggest a figure.</p> <p><input type="checkbox"/> because this figure better characterizes the invention.</p> <p><input type="checkbox"/> None of the figures.</p>		

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International Application No PCT/US 02/28646

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F9/44 G07F19/00 G07F7/08 G06K19/07
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G07F G06K G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 793 907 A (GEMPLUS) 24 November 2000 (2000-11-24)	1,2,4,6, 8,9
A	page 3, line 29 -page 4, line 23 page 10, line 17 -page 11, line 4 page 15, line 14 - line 28; figures 1-4 ---	3,5
X	EP 0 574 006 A (NEC CORP.) 15 December 1993 (1993-12-15) abstract column 3, line 57 -column 4, line 49; figures 1-4 ---	1,2,4,6
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 319 (P-751), 30 August 1988 (1988-08-30) & JP 63 083863 A (TOSHIBA INTELLIGENT TECHNOL LTD.), 14 April 1988 (1988-04-14) abstract ---	1,2,9
A	---	4,6 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

17 July 2003

Date of mailing of the international search report

25/07/2003

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International Application No PCT/US 02/28646

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 357 (P-1395), 31 July 1992 (1992-07-31) & JP 04 109360 A (LAUREL BANK MACH CO LTD), 10 April 1992 (1992-04-10) abstract ---	1, 9
A		4, 6
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 12, 29 October 1999 (1999-10-29) -& JP 11 177739 A (CANON INC), 2 July 1999 (1999-07-02) abstract -----	1, 2, 9
A		4, 6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/US 02/28646	
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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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				WO 0072191 A1		30-11-2000
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				DE 69320698 T2		29-04-1999
				EP 0574006 A1		15-12-1993
				US 5436436 A		25-07-1995
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